

THE GREAT YARMOUTH

Urban & Port Sanitary Authority

THE

ANNUAL REPORT

OF THE

Medical Officer of Health

FOR 1898.

:O:

PRINTED BY ORDER OF THE SANITARY AUTHORITY.

:O:

Great Yarmouth :

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URBAN REPORT.

TO THE GREAT YARMOUTH URBAN SANITARY
AUTHORITY.

GENTLEMEN,

The following I respectfully submit for your consideration as my Annual Report for 1898.

POPULATION.

During the last few years a considerable increase in the permanent population of the Borough has taken place, an increase altogether out of proportion to that which obtained between 1881 and 91, and upon which my annual estimates have hitherto been based. Many houses have been demolished to make way for business premises, but many more have been built, and well nigh every house in the Borough is occupied. Judging from the number of dwellings, probably our resident population by the middle of last year numbered 52,000, and upon these figures I have based my calculations of birth, death and other rates contained in this report.

VITAL STATISTICS.

During the fifty-two weeks ending with December 31st, 1898, there were registered in the three registration districts within this Borough

1,412 BIRTHS and 1,124 DEATHS.

But inasmuch as 39 of the deaths were those of strangers and visitors, I omitted them in my calculations, and I find the

BIRTH RATE was 27·15, and the
DEATH RATE 20·86 per 1,000.

Of all the births 5·3 per cent. were illegitimate. Of the entire baby population of last year, 21·6 per cent. died before it was a twelvemonth old ; the mortality of those born in wedlock was 20·3 per cent., whilst the rate obtaining with those not so happily circumstanced was 44·7 per cent. The national rate of mortality of infants under one year was 16·1 per cent.

The increase of Births over Deaths was in the North District 11, in the South District 85, in Gorleston and Southtown 188, and in Runham Vauxhall 4, making a total of 288.

The estimated population I have appportioned to each of the three registration districts within this Borough is given in the official table on page 11, and the death rates arising in the same localities were as follows :—

20·45	per	1,000	in the Northern District						
22·86		„	„	Southern	„	and			
21·97		„	„	Gorleston & Southtown					
				District.					

At the Workhouse, in the Northern District, there were 77 deaths including 1 stranger, and at the Isolation Hospital there were 32 deaths including 3 strangers. At the Royal Naval Asylum, in the Southern District, there were 23 deaths of men belonging to the Royal Navy : and at the General Hospital there were 32 deaths including 4 strangers. At private houses there were 6 deaths of visitors, and there were 2 bodies washed up by the sea.

The table of deaths on pages 12 and 13 is in accordance with the Local Government Board's direction, and exhibits many particulars as to the ages and causes of the deaths occurring within your Sanitary district during 1898. I have supplemented it by giving the totals for several years past, so that the recent annual mortalities may be compared.

ZYMOTIC DEATHS.

The deaths resulting from the zymotic diseases the Registrar General takes special cognizance of, last year amounted to 215 ; thus producing a death rate of 4·13 per 1,000 of the persons then living in this Borough. These figures, with the chief of those given on previous pages, I here tabulate, so as to bring them into contrast with the averages of the ten years last past.

Periods.	Births.	Rate.	Deaths.	Rate.	Zymotic Deaths.	Rate.
During 1898	1412	27·15	1085	20·86	215	4·13
Average of ten years, 1888-97 }	1491	29·79	948	18·95	122	2·44

TYPHOID FROM MUSSELS.

Two very serious factors of the Zymotic Death Rate are those due to Diphtheria and Typhoid. With regard to the latter disease, however, it is interesting to record a considerable abatement in the number of cases now occurring. The consumption of mussels as food has long been known to be attended with much danger, and cases of mussel poisoning are not infrequent. But that specific disease should be transmitted by means of shell fish is a new feature only recognised during recent years, chiefly in consequence of Typhoid following the eating of oysters. That mussel eating frequently entails similar consequences is now well established. Sir Peter Eade, in the early part of 1895, drew the attention of the profession to this matter, and since then I have met with several instances of Typhoid being apparently due to the mussels taken from our own river. Your action in stopping the sale of such mussels in this town last January was apparently attended with happiest results. Hereunder I give the notifications for the first six months of this year, which I consider very satisfactory :—

January—40. February—25. March—3. April—3. May—3. June—4.

Particulars from

In the Annual Summary of Births and Deaths in London General for 1898 he there estimates our population for the rate ; 21·5 as the death rate ; and 4·42 as the zymotic death in England and Wales, and I hereunder reproduce his figures

CITY, BOROUGH, OR URBAN DISTRICT.	Estimated Population.	Birth Rate.	Death Rate.	Zymotic Death Rate.	Deaths under 1 Year to 1,000 Births.
Aston Manor	81,851	30·9	15·5	2·54	188
Bath	51,844	19·5	16·2	0·95	137
Bournemouth	63,137	11·4	9·8	0·36	121
Burton-on-Trent	51,663	28·3	14·1	1·71	138
Cambridge	38,204	23·1	16·3	2·25	161
Cheltenham	46,478	23·6	17·5	1·51	141
Colchester	39,870	24·3	14·8	2·69	135
Coventry	59,302	32·3	17·7	4·00	200
Devonport	59,489	27·6	16·0	1·53	139
Dover	35,891	29·5	17·7	2·29	164
Dudley	45,358	38·5	25·8	6·43	210
Eastbourne	48,910	19·2	9·9	1·26	139
Exeter	37,404	23·2	16·6	1·10	152
Gloucester	41,803	31·4	17·3	1·82	142
Great Yarmouth	51,283	27·6	21·5	4·42	214
Hanley	60,274	34·4	21·1	2·70	226
Hastings	75,222	17·8	13·9	1·27	139
Hornsey	62,918	21·3	9·6	1·04	118
Ipswich	63,015	29·5	16·6	3·40	163
Leyton	82,647	30·0	14·0	2·61	153
Longton	37,927	37·2	26·7	6·25	279
Northampton	68,622	24·7	15·3	1·99	176
Oxford	49,632	23·4	13·3	0·66	121
Reading	69,477	26·7	14·5	1·61	154
Smethwick	47,096	36·6	16·4	1·90	160
Southampton	89,455	32·9	19·1	2·97	154
Tottenham	88,440	30·7	14·6	2·39	173
Walsall	82,356	34·8	18·1	2·30	163
Walthamstow	80,301	29·2	13·7	2·88	169
Willesden	109,178	28·6	11·4	2·19	138
West Bromwich	61,954	36·7	20·6	3·40	181
Worcester	44,860	28·1	17·4	1·89	135
York	72,055	31·3	19·2	2·06	174

Registrar General's Report.

and other large towns recently issued by the Registrar middle of last year as 51,283, and gives 27·6 as the birth rate. He gives similar information as to all the large towns for the Urban Districts he groups with Yarmouth.

CITY, BOROUGH, OR URBAN DISTRICT.	Estimated Population.	Birth Rate.	Death Rate.	Zymotic Death Rate.	Deaths under 1 Year to 1,000 Births.
Aberdare	42,177	34·3	21·3	4·33	227
Accrington	44,802	23·1	15·4	2·19	198
Ashton-under-Lyne	43,141	27·6	20·1	2·57	194
Barnsley	40,189	34·0	22·0	4·22	218
Barrow-in-Furness	55,201	27·7	14·5	2·39	170
Bootle	52,873	33·5	21·1	3·48	186
Bury	59,092	24·9	18·2	2·10	187
Carlisle	41,168	31·7	22·4	2·33	185
Chester	37,332	29·4	22·0	1·70	171
Darlington	40,358	29·3	16·7	1·99	141
Darwen	37,827	29·9	17·2	2·18	176
Grimsby	62,745	30·0	15·9	2·05	216
Jarrow	41,217	28·7	16·1	1·96	175
Keighley	40,048	29·8	18·3	2·16	170
Lincoln	44,810	26·0	17·4	2·41	181
Macclesfield	34,956	27·2	19·6	1·40	165
Merthyr Tydfil	66,856	37·1	20·8	2·48	190
Middlesborough	93,910	30·8	20·6	4·61	193
Newport (Mon.)	70,619	29·9	16·5	1·91	176
Rhondda	123,553	33·4	16·0	3·07	193
Rochdale	73,297	25·8	18·7	1·24	133
Rotherham	48,274	37·1	18·4	3·82	165
Scarbrough	36,366	27·3	18·5	1·19	143
Southport	49,680	19·7	15·0	0·86	139
South Shields	98,922	33·7	20·0	2·73	178
Stockport	79,213	30·1	20·8	2·97	229
Stockton-on-Tees	56,499	28·2	16·2	2·00	183
St. Helen's	85,119	37·8	19·0	3·28	179
Tynemouth	48,465	33·1	18·0	1·24	160
Wakefield	37,637	23·7	16·6	1·78	183
Wallasey	46,041	28·6	17·4	1·85	169
Warrington	64,918	36·3	17·6	2·34	169
West Hartlepool	56,033	33·2	15·5	1·65	158
Wigan	60,553	35·0	19·1	2·54	173

CONSIDERATIONS MODIFYING YARMOUTH'S DEATH RATE.

Unquestionably a large amount of sickness prevailed in this Borough throughout last year, and consequently the mortality was above the average. It is, however, strongly contended by many persons, whose opinions deserve respect, that the estimated population upon which our death rate is founded is much too low. They argue the fluctuations occurring at different times during the year in the population of this Borough, by the number of persons coming for business or pleasure, and for a time residing within the area of your sanitary district, should be taken into account in forming a fair estimate. The Militia regiments assemble here for training during the spring; an enormous crowd of visitors is coming and going all summer; and the herring fishing, during the autumn, attracts large numbers of Scotch fishermen and others. 'Tis impossible to say how many people might be found in Yarmouth on the August Bank Holiday and the week following, the period of our greatest crowd. Some assert our nominal population is then doubled. If, therefore, in allowing for these temporary increases, stretching over more than half the year, we assume our population averages 60,000 all the year round, and apply to these figures all the deaths which took place here, thereby including strangers, visitors and sailors, the death rate thus obtained is 18·73 per 1000. It might also be permissible to remember many of the inland towns lose a considerable number of their residents during the holiday months, who flock to the sea-side and other resorts. Therefore to form an equitable estimate of their death rates, a reasonable deduction should be made from their estimated population, which is not maintained all the year round. Were the above table

adjusted in harmony with these annual migrations, the contrasts in the mortality of many of the towns would be modified.

HOUSES RECEIVING LODGERS SHOULD BE SYSTEMATICALLY SUPERVISED.

The terrible overcrowding referred to in the above paragraph, as occurring here during the summer holidays, makes a serious impression upon the health and mortality of this town. At that time not only are the lodging-houses full, and very many more than full, but every possible cottage, even in the most remote corners of the town, gets crowded with strangers making holiday. Many of these small dwellings are ordinarily barely sufficient for the families occupying them, and to have their inmates doubled is to considerably reduce their wholesomeness. Back to back, cottages with no through ventilation, so densely packed and crowded together that very little sunshine ever reaches them, with very limited yard or area pertaining to the dwelling, in which perchance is situated a privy, is not a desirable lodging for strangers to occupy, in search of rest, recreation, or health. The number of deaths each week last year averaged 20, but during several weeks in August and September this number was much exceeded, being actually doubled on two occasions. Your attention has been previously called to the serious unwholesome conditions engendered by our annual influx of visitors, and every year the pressure intensifies, and the evils arising from it seem increasing. In my opinion all cottages, in which visitors are housed, should be properly supervised and registered and frequently inspected, so that only those having sufficient space should be allowed to receive lodgers, and then under such conditions as would reasonably assure their health and comfort. I commend for your consideration in this connexion, Sec. 90 of the Public

Health Act, 1875, and the model bye-laws of the Local Government Board for the regulation of Houses Let in Lodgings.

CROWDED OUT.

The deaths of infants, under a year, from all causes, throughout the Borough, were 12 in July, 25 in August, 77 in September, 32 in October, and 17 in November. These figures are significant, and such deaths occurring just when the health conditions of the children's homes are much impaired, and their own comfort and necessities much neglected, seem to indicate something of the penalty Yarmouth pays for its popularity, and emphasises the recommendation in the above paragraph, in order to prevent the weak and helpless being crowded out.

NOTIFIED ILLNESSES.

In considering the deaths from the more important Zymotic Diseases, we should associate the cases of sickness made known to us through the operation of the Notification Act. The table given on page 11 of the numbers, nature and locality of such illnesses is prepared by direction of the Local Government Board, and it also indicates the numbers of such cases treated at the Isolation Hospital. In all there were reported to me during the last year, by the medical men practising within the Borough, 677 cases of an infectious character coming under the Notification Act. These figures include 178 scarlatina, 167 diphtheria, 244 typhoid, 45 continued, 1 puerperal, and 42 erysipelas. Of these there were removed to the Isolation Hospital 72 scarlatina, 64 diphtheria, and 63 typhoid. These figures indicate a considerable diminution as compared with the previous year, in respect to the scarlatina, but a large increase in respect to

Table of Population, Births, and of New Cases of Infectious Sickness,

Coming to the knowledge of the Medical Officer of Health, during the year 1898, , in the Urban Sanitary District of Great Yarmouth ; classified according to **Diseases, Ages, and Localities.**

Names of Localities adopted for the purpose of these Statistics.	Population at all Ages.			Registered Births. (d)	Aged under 5 or over 5 (e)	New cases of Sickness in each Locality, coming to the knowledge of the Medical Officer of Health.										Number of such Cases Removed from their Homes in the several Localities for Treatment in Isolation Hospital.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	Census 1891. (b)	Estimated to middle of 1898. (c)	(a)			Fevers.						Erysipelas.				Fevers.						Erysipelas.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
						Smallpox.	Scarlatina.	Diphtheria.	Membranous Group.	Typhus.	Enteric or Typhoid.	Continued.	Relapsing.	Puerperal.	Cholera.	Erysipelas.	Smallpox.	Scarlatina.	Diphtheria.	Membranous Group.	Typhus.	Enteric or Typhoid.	Continued.	Relapsing.	Puerperal.	Cholera.	Erysipelas.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
NORTHERN H	21,143	21,800		516	Under 5 5 upwds	—	23	13	—	—	—	13	2	—	—	—	1	6	3	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

TABLE OF

During the year 1898, in the Urban Sanitary District of Great Yarmouth,

Names of Localities adopted for the purposes of these Statistics.	Mortality from all causes, at subjoined ages.						
	At all ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
NORTHERN DISTRICT	505	115	56	36	21	124	153
SOUTHERN DISTRICT	335	84	45	17	13	101	75
GORLESTON & SOUTHTOWN	270	103	41	6	11	51	58
RUNWAM VAUXHALL	14	4	2	2	—	2	4
TOTALS ..	1124	306	144	61	45	278	290

During the Year 1897 ..	966	274	110	49	27	237	269
Ditto 1896 ..	872	220	79	34	26	246	267
Ditto 1895 ..	960	269	83	26	32	258	292
Ditto 1894 ..	790	189	77	38	37	213	236
Ditto 1893 ..	980	249	98	51	43	297	242
Ditto 1892 ..	1030	231	122	29	48	290	310
Ditto 1891 ..	1012	248	133	52	36	260	295
Ditto 1890 ..	986	271	90	50	42	222	311
Ditto 1889 ..	875	249	79	37	48	197	265

DEATHS,classified according to **Diseases, Ages and Localities.**

Mortality from subjoined causes, distinguishing Deaths of Children under Five Years of age.

(i)	Fevers.																						Cholera.	Erysipelas.	Measles.	Whooping Cough	Diarrhoea and Dysentery.	Rheumatic Fever	Phthisis.	Bronchitis, Pneumonia & Pleurisy.	Heart Disease.	Influenza.	Injuries.	All other Diseases	Total.
	Smallpox.	Scarlatina.	Diphtheria.	Membranous Group.	Typhus	Enteric or Typhoid.	Continued.	Relapsing.	Puerperal.																										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22														
Under 5	—	3	8	—	—	1	1	—	—	—	0	3	7	21	0	1	32	0	2	3	89	171													
5 upwds	—	5	12	—	—	27	2	—	—	—	1	0	0	3	1	24	22	40	16	12	169	334													
Under 5	—	2	7	—	—	1	—	—	—	—	0	9	3	17	—	1	19	0	0	5	65	129													
5 upwds	—	1	7	—	—	9	—	—	—	—	2	1	0	5	—	17	16	26	11	11	100	206													
Under 5	—	—	0	—	—	0	—	—	0	—	1	10	9	30	0	0	19	0	0	2	73	144													
5 upwds	—	—	3	—	—	3	—	—	1	—	0	1	0	1	1	7	7	17	1	9	75	126													
Under 5	—	—	1	—	—	0	—	—	0	—	—	—	—	—	—	—	2	0	—	0	3	6													
5 upwds	—	—	1	—	—	1	—	—	1	—	—	—	—	—	—	—	0	1	—	1	3	8													
Under 5	—	5	16	—	—	2	1	—	0	—	1	22	19	68	0	2	72	0	2	10	230	450													
5 upwds	—	6	23	—	—	40	2	—	2	—	3	2	0	9	2	48	45	84	28	33	347	674													
Under 5	—	7	19	2	—	0	—	—	0	—	0	19	14	61	0	0	56	0	2	2	202	384													
5 upwds	—	4	16	0	—	19	—	—	5	—	1	0	1	10	4	46	49	54	25	31	317	582													
Under 5	—	0	1	—	—	0	—	—	—	—	0	26	18	17	—	0	56	0	0	5	176	299													
5 upwds	—	1	2	—	—	15	—	—	—	—	5	2	1	6	—	33	81	68	12	28	319	573													
Under 5	—	4	3	2	—	1	—	—	0	—	0	18	5	77	0	2	47	0	1	7	185	352													
5 upwds	—	2	3	0	—	13	—	—	3	—	3	3	0	8	3	46	77	85	27	29	306	608													
Under 5	—	5	11	2	—	0	—	—	0	—	1	5	17	10	0	1	61	0	—	9	144	266													
5 upwds	—	2	3	2	—	11	—	—	1	—	2	0	0	2	4	44	66	71	—	26	290	524													
Under 5	—	4	7	3	—	3	0	—	0	0	1	10	16	54	0	2	64	0	—	8	175	347													
5 upwds	—	7	8	0	—	15	2	—	3	3	6	3	0	16	5	50	98	65	—	24	328	433													
Under 5	2	7	3	3	—	1	—	—	0	—	0	5	36	32	—	2	71	0	—	13	178	353													
5 upwds	2	3	5	0	—	18	—	—	1	—	2	0	1	7	—	63	142	59	—	29	344	677													
Under 5	—	10	9	3	—	2	0	—	0	—	1	18	22	38	0	1	78	0	—	6	193	381													
5 upwds	—	1	10	0	—	28	3	—	3	—	3	1	0	8	3	69	97	56	—	33	328	643													
Under 5	—	1	3	2	—	1	1	—	0	—	0	2	21	46	0	9	60	0	—	6	209	361													
5 upwds	—	0	0	1	—	32	2	—	4	—	3	0	2	12	2	63	96	51	—	26	331	625													
Under 5	—	—	1	3	—	4	—	—	0	—	3	18	1	53	0	10	56	0	—	8	174	328													
5 upwds	—	—	1	2	—	21	—	—	2	—	0	2	0	5	2	59	55	54	—	31	310	574													

the diphtheria and typhoid. Hereunder I give A TABLE OF MONTHLY TOTALS OF CASES OF SCARLATINA, DIPHTHERIA, AND TYPHOID occurring within the Borough during 1898; numbers removed to the Isolation Hospital, and the numbers of deaths resulting at Hospital and throughout the Borough :—

MONTH.	Scarlatina.			Diphtheria.			Typhoid.		
	Nos. of Cases Notified.	Nos. Removed to Hospital.	Nos. of Deaths throughout the Borough.	Nos. of Cases Notified.	Nos. Removed to Hospital.	Nos. of Deaths throughout the Borough.	Nos. of Cases Notified.	Nos. Removed to Hospital.	Nos. of Deaths throughout the Borough.
JANUARY	37	18	4	7	4	1	25	3	2
FEBRUARY	32	6	3	9	1	3	38	4	3
MARCH	22	7	2	14	3	3	32	7	7
APRIL	7	2	..	20	3	7	17	4	3
MAY	7	1	..	12	9	1	16	6	5
JUNE	4	1	..	6	3	..	7	3	2
JULY	6	5	..	9	7	6	8	4	3
AUGUST	10	7	..	7	6	..	9	3	1
SEPTEMBER	12	7	1	9	5	4	13	6	2
OCTOBER	10	9	..	16	6	2	26	5	5
NOVEMBER	10	5	1	25	6	7	28	9	6
DECEMBER	21	4	..	33	11	5	25	9	3
	178	72	11	167	64	39	244	63	42

My investigations at the houses of the patients notified have occasionally satisfied me the diagnosis was in error. Medical men are not infallible and probably mistakes cannot altogether be avoided, but a diagnosis upon which much depends should be made with due deliberation and care, for where the patient is removed to Hospital pursuant to an erroneous notification serious results might follow.

THE HOUSING OF THE POOR.

The continuance of diphtheria and fever in Yarmouth during last year is pointed out by the Registrar General in his Annual Summary. By far the largest proportion of these diseases occurred in cottages and the poorer class of dwellings in the rows and other densely built and unsavoury parts of the town. Not necessarily are the oldest tenements most frequently invaded, but houses of comparatively recent date are quite as much the homes of illness; and many of these are even more cramped and jammed into very narrow space, than houses of the last century. Dwellings for the poor with ample air space back and front, upon dry wholesome soil, are just now much wanted, and as it seems private enterprise is too much occupied with more pretensions and remunerative buildings to erect healthy habitations for the needy classes, it becomes the duty of the Sanitary Authority to provide such dwellings. This is already recognised and it is satisfactory to note steps are being taken to secure sites in suitable localities, and designs for the dwellings to be erected are being considered.

WHOLE AREAS NEED RE-MODELLING.

Growing out of this question of re-housing of the poor is that of clearing away the congested and unwholesome areas they now occupy. The re-modelling these localities is a public health measure of the first importance in this town, and should be early undertaken, and continuously, and energetically pushed forward. Public money cannot be spent to better purpose than securing health and comfort to indigent classes in particular, and through them to the community in general.

During the past year the above as well as much else which would improve the health conditions under which the people of this town at present live, have been considered, and

are still before you, upon representations I have had the privilege to make. To dilate upon those matters here would be repeating what has already been told you, and as I am about retiring from the Medical officership, perhaps it would be wise to refrain from offering advice, I cannot officially superintend the acting upon.

IMPENDING CHANGES IN THE SANITARY DEPARTMENT.

In order that the health reputation of this Borough shall be as good as special skill and energetic effort can make it, you have recently considered it desirable your Sanitary Department should be re-organised and brought up to date with a whole time Medical Officer at the head of affairs, having under his immediate direction and control a more complete staff of Sanitary Inspectors than now exist. This is in accordance with the advice I have tendered you ; but I do not feel able, at my time of life, to undertake the increased responsibilities and duties which will in future attach to your Medical Officership. Hence I am making way for a successor. Nevertheless, you have been good enough to recognise the intimate knowledge I have of the sanitation of this Borough, and the long service I have rendered you, by retaining me as your Consulting Sanitary Adviser for a few years, so that I may initiate the incoming officer and assist, by my counsel and advice, in many of the problems this somewhat peculiar district must of necessity present to one unacquainted with it.





SANITARY WORK.

The work done last year by your Sanitary Inspectors will compare very favourably with that of former years. Its importance, however, must not be estimated by the number of notices merely, but rather by the depth of intelligent research brought to bear upon the discovery of conditions, many of them completely unrecognisable to the ordinary eye, which tend to produce ill health in those persons influenced thereby. The following is the

REPORT OF THE INSPECTOR OF NUISANCES :—

“I respectfully submit this as my Fourth Annual Report of work accomplished by the Sanitary Department during the year 1898. The particulars of nuisances reported to the Sanitary sub-Committee, and dealt with by Statutory notices, issued from the Town Clerk's department, also other work of similar nature, but carried out by informal orders, sent out from this office, are set forth hereunder :—

Notices served by order of Committee	...	...	320
„ Informals	...	...	247
Complaints received and attended to	...	...	192
Re-inspection made during progress of works being carried out	...	...	852
Houses inspected	...	...	737
Outstanding notices at end of year	...	...	23
Notices in hands of tradesmen	...	...	16

NATURE OF WORKS COMPLETED.

To replace privies with water closets	...	...	473
„ lay new drains	...	...	52
„ partly re-lay drains	...	...	211
„ fix earthenware gullies	...	...	317
„ clear and replace drains	...	...	88
„ provide flushing cisterns to closets	...	...	39
„ cleanse filty houses	...	...	44
„ remove offensive accumulations	...	...	26
„ prohibit overcrowding	...	...	5
„ remove animals and poultry	...	...	14
„ close polluted wells	...	...	18
„ remove or repair privies	...	...	12
„ disconnect sink waste pipes	...	...	28
„ intercept house drains from sewers	...	...	59
„ abolish rain water cistern	...	...	91
„ abolish dead wells and cess pools	...	...	17
„ concrete or relay yards and passages	...	...	297
„ replace defective iron bell and D traps	...	...	108
„ fix new and ventilate soil pipes	...	...	44
„ repair roofs and water troughing	...	...	34
„ cleanse and repair slaughterhouses	...	...	7
„ „ „ cowsheds and dairies	...	...	21
„ ventilate under floor spaces	...	...	33
„ fix urinals and lavatories	...	...	9
„ disconnect rainwater pipes from drains	...	...	35
„ repair water closets	...	...	24
„ abolish pan container closets	...	...	19
„ fix pedestal closets	...	...	41
„ provide new sinks	...	...	7
„ prohibit smoke nuisances	...	...	4
„ provide water supply to houses	...	...	39
„ fix access syphons to sinks, etc.,	...	..	9

To repair wood floors, etc.	...	...	6
„ samples of well water analysed	...	...	23
„ miscellaneous items . .	...	...	15

DRAIN TESTING WITH SMOKE AND DEFECTS DISCOVERED.

Into breakfast rooms, sitting and dining rooms	...	...	16
„ kitchens, sculleries and larders	...	...	8
„ offices and shops	...	...	20
„ basement kitchens, etc.	...	...	9
„ yards and out-buildings	...	...	12
„ internal water closets	...	...	13
„ external „	...	...	6
From heads and joints of rain water pipes being connected to foul drains	...	...	37

121

“ In the following table will be seen the number of various routine visits made during the year, in connection with each respective trade or calling :—

To Slaughterhouses	...	...	...	390
„ Knackers yards	...	...	...	22
„ Bone boiling	...	...	...	18
„ Tallow melting	...	...	...	52
„ Marine stores	...	...	...	7
„ Fish curing works	...	...	...	98
„ Manure manufacturers	...	...	...	21
„ Bakehouses	...	...	...	191
„ Cowsheds	...	...	...	47
„ Milkshops and dairies	...	...	...	126
„ Common lodging-houses	...	...	...	32

1,004

INFECTIOUS DISEASES.

“ During the year 196 cases of Infectious Disease were removed to the Council's Isolation Hospital. 304 rooms were disinfected with sulphur fumigation, and the walls, and paint work thoroughly washed with corrosive sublimate, the pail system for Typhoid cases where the patients were nursed at home was thoroughly carried out, and school notices sent to the head teachers of schools informing them of each case where children were absent through disease.

“ The following is a summary of articles that were disinfected in the disinfecting apparatus at the Isolation Hospital.

No.			
171	...	...	Beds
511	...	...	Pillows
154	...	...	Bolsters
294	...	...	Slips
259	...	...	Sheets
74	...	...	Bed hangings
373	...	...	Blankets
263	...	...	Counterpanes
111	...	...	Mattresses
639	...	...	Articles of clothing
180	...	...	Carpets
75	...	...	Rugs
78	...	...	Cushions
138	...	...	Various articles
Total	3320		

HOUSING OF THE WORKING CLASSES ACTS.

“ The Medical Officer of Health certified 47 houses as being unfit for habitation, 16 were closed by order of the Justices, 7 demolished and 24 made habitable.

FOOD INSPECTION.

“ I have regularly visited the market during the year and cautioned several of the stall-holders for exposing unsound food, more especially in the fruit season. I caused four lots to be destroyed without proceedings, and seized 52 hams, 23 flitches of bacon, and one rabbit. Proceedings were instituted in two cases, one tradesman was fined £10, including costs, and the other, £1 10s. od.

“ Eight samples of milk, and one of butter were submitted for Analysis, and all found to be genuine.

(Signed) SAMUEL HASSALL, *Assos. San. Inst.*,
Inspector of Nuisances.”



REPORT OF FISH INSPECTOR.

The Inspector of fish reports that during last year he was on the Wharf daily while fish were being landed, and he inspected the same.

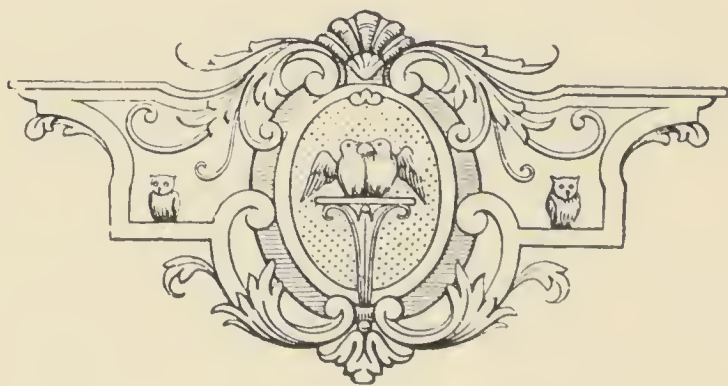
The following are the particulars of that he considered so far over-day as to be unfit for food, and which he seized and caused to be condemned.

135 Boxes of Trawl fish
 27 Swills of Mackerel
 183 Swills of Herring
 1 Barrell of Herring
 2 Bags of Winkles
 5 Bags of Whelks
 1 Bag of Shrimps
 17 Lobsters

The whole computed to weigh about 25 tons.

He also reports that he examined various boxes of Norway herrings, arriving here by rail and steamer from Hull, and found every consignment satisfactory. A considerable trade is done in this town, more particular after our own herring fishing is over, with the curing of herring caught in the Norwegian Fjords. These fish, by quick transit, arrive here perfectly fresh, and are bloatered or kippered in our curing-houses, just the same as if they were caught off our coast, and no doubt put on the Market as "Real Yarmouth." These certainly are very excellent fish, and command a ready sale, but they are larger and somewhat coarser than our own herring. The Inspector mentions 16,602 boxes of Norway herrings having passed under his observation during last year.

He also states he had visited the fish shops in the town, regularly, and inspected the fish he found in them.





PORT SANITARY AFFAIRS.

TO THE GREAT YARMOUTH PORT SANITARY
AUTHORITY.

GENTLEMEN,

AREA OF DISTRICT.

The Port Sanitary district over which you have jurisdiction is the most important one on the East Anglian Coast, embracing as it does the whole of the Yarmouth Roadstead, the Harbour and Haven, the Breydon water, and the lower reaches of the rivers, Waveney, Yare and Bure.

ITS POPULATION INSTABLE.

Upon the waters thus indicated, a floating population of ever varying number is constantly coming and going. Of those vessels and their crews actually entering the harbour I have information, but of those using the Roadstead, merely, no reliable estimate could possibly be formed; judging, however, from the continuous traffic going on there, the number of persons brought within the area of your port district in the course of one year must be enormous.

YARMOUTH ROADS THE REFUGE OF THE NORTH SEA.

Ordinarily, very little infectious sickness, or indeed, sickness of any kind, is brought here by shipping; but, whenever virulent epidemic disease is rife anywhere on the littoral of the North sea, vessels clearing from such localities

create a real and serious danger to this port. For, should disease arise in any of their crews after they have got well away to sea, the situation of Yarmouth Roadstead and its accessibility, constitutes an inviting refuge for such disease stricken vessels. Being thus prominently exposed to sudden emergency, the Sanitary supervision of your port is a most responsible, and anxious duty of even national importance, and it is satisfactory in this connection to refer to the readiness with which pilots, boatmen, and others visiting vessels in the Roadstead, report to me any information they may obtain of infectious sickness on board any of those vessels. To the Customs Authorities I am also much indebted for valuable information and co-operation. They notify to me every vessel, and the health of their crews, arriving in the harbour from a foreign port, also cases of sickness or deaths occurring on coasters or fishing craft. This is most useful service and keeps your officers in constant touch with them.

VESSELS BELONGING TO THIS PORT.

At the end of last year there were, belonging to this port, 43 ships classed as merchant vessels, and 386 vessels constantly engaged in fishing. Many of these vessels are trawling smacks, and always employed in the deep-sea fishing. Others are dandys, so called from their rig, and are fishing vessels, doing trawling a portion of the year, and drift-net fishing during the herring season. Besides the above, there are about 130 luggers and smaller craft engaged during the mackerel or herring season only, and all the rest of the year are dismantled and hauled up on shore. I take no count of the smallest of our fishing vessels, such as line-layers, wolders, shrimp boats, &c., as these craft being generally open boats, having no proper cabin, and rarely at sea longer than one tide, can hardly be regarded as dwellings.

PROBABLE NUMBER OF THEIR CREWS.

The number of men forming the crews of the merchant vessels belonging to this port is not recorded at the Custom House, but it is suggested they would amount to 250 at least. The number forming the crews of the smacks and dandys is given as 3138. Some of these men, during the autumn go the herring voyage, but the vast majority of those manning the Yarmouth boats then put in commission, are drawn from the town and neighbourhood, and are landsmen all the rest of the year. This autumn fishing, the great herring fair, also attracts a crowd of stranger fishermen, who come with their boats, chiefly from Scotland, and join with our fleet in the harvest of the sea. The number of fishermen living afloat within your port while the herring voyage continues is difficult to estimate.

VESSELS ARRIVING.

The number of vessels arriving at this port during last year, amounted to 1,229 coming coastwise, and 438 coming oversea. Many of these arrivals, especially those coastwise, were periodical traders to this port, and in the above figures some such vessels are re-counted as many as 52 times. In point of fact, including foreigners, we had here about 409 vessels from other ports, apart from fishing vessels, and they brought crews numbering 3246 persons.

INFECTIOUS DISEASE.

No case of infectious sickness was brought us from foreign or home ports, but two cases of typhoid were landed from our fishing fleet. Both these patients had contracted the disease in Yarmouth before proceeding to sea. I need hardly say the Small pox epidemic at Middlesborough during the winter and spring of last year gave me great anxiety lest the disease should get imported here. Every vessel coming

from Middlesborough was reported to me, and the health of her crew ascertained. The Hull and Newcastle boats were carefully watched, and it is satisfactory to record no case reached this port, but the way the disease reached Middlesborough is particularly instructive. Middlesborough has a considerable trade with Bilboa, in Spain, and at this latter port 418 deaths from Small pox alone occurred in 1897. Early in November of that year, a vessel arriving at Middlesborough had amongst her crew a negro sailor who had been unwell while on voyage from Spain. Apparently the true nature of his illness was not suspected at the time, and he unwittingly took the infection on shore. Had the man's illness been of a virulent type when the vessel was passing along the coast, she might possibly have come into Yarmouth Roads to have landed him here as others have done in years gone by.

DEATHS AT SEA.

Four smacks were reported at the Custom House as lost at sea with all hands, thus taking 26 lives; 22 other lives were lost singly, by the men being washed overboard, or killed by accident; and two deaths occurred from disease. In all, 50 deaths at sea were officially reported.

THE PORT SANITARY INSPECTOR has carried out his usual round of duty, and the cleanly condition of the shipping and fishing craft has been well maintained. He has reported his proceedings by his journal and diary to your sub-Sanitary Inspection Committee twice each month, and has informed me daily of his action and every Sanitary matter of any moment coming under his observation.

HIS ANNUAL REPORT, which gives details of the duty he performed during 1898, is as follows:—

“ I inspected 1203 vessels in all, viz :—

409 Steamers and Merchant vessels

635 Smacks and Fishing boats and
159 Yachts and wherries

Of these I found 948 satisfactorily clean, and 260 requiring cleansing in some one or more particulars. Of these latter I saw that my directions were carried out on board 255 vessels, and on the 31st of last December on 5 vessels was work still in progress, or the vessel had gone on voyage. In superintending the cleansing work I directed on the above mentioned vessels I made second and third visits to many, so that after the 1203 inspections I made about 1640 subsequent visits.

“ THE NATURE OF MY DIRECTIONS were as under :—

To cleanse generally cabin or forecastle	...	83
„ Cleanse and whitewash bunks		177
„ Wash clothes or bedding		2
„ Cleanse biscuit lockers or meat casks		6
„ Cleanse water tanks or casks		16
„ Pump out and cleanse bilges		82
„ Cleanse closets (w.c.)		10
„ Remove filth from under cabin platform or engine room floor		5
„ Obtain fresh supply of drinking water		10

“ THE NATIONALITIES OF THE STRANGER VESSELS ARRIVING HERE last year, specifying the number of them I found dirty in some one or more particulars, and the number of seamen those vessels carried, I give hereunder :—

No. and Nationality of Vessels.	No. of vessels found more or less dirty.	No. of Seamen.
205 English (of other Ports than Yarmouth	... 34	1425
72 Norwegian	... 11	665
35 Swedish	... 7	346
31 Danish	... 3	227

No. and Nationality of Vessels.			No. of vessels found more or less dirty.	No. of Seamen.
11	Russian	...	3	90
30	German	...	4	290
12	French	...	2	101
12	Dutch	...	—	85
1	Belgian	...	—	17

“ MY WORK LAST YEAR was very similar to that of the year before. I paid special attention to the fishing vessels and whenever I found any unwholesome condition I caused the necessary cleaning to be done. The bunks or sleeping places are constantly getting dirty and need frequent cleansing and purifying. This, I effect by causing them to be thoroughly scrubbed out with hot soda and water, and when quite dry, limewashed, a most effective method of rendering them clean and wholesome. The cleansing of dirty ballast as mentioned in 'my last years' report was strictly looked after, and I also made my usual rounds of the boat yards, where the fishing craft were hauled up, to see that their plugs were knocked out and the vessels thoroughly freed of all filthy bilge or washings,

“ THE SCOTCH BOATS were also well under observation all the time they were here, and it is satisfactory to report a considerable abatement in the annual nuisance they give rise to, by pumping over-side into the river, of their putrid bilge water. All of them had printed notices of the penalties they incurred, and these with the recollection of the prosecution of the year previous had a most useful effect upon the men.

“ In my inspection of the merchant vessels using this port last year, I found very little to complain of, beyond sundry unwholesome conditions engendered by negligent or dirty crews. One small vessel, while at Norwich, took her water supply from the river there. But upon her arrival here

I caused this questionable liquid to be put overboard and a more reliable water obtained from the mains of the Yarmouth Water Company.

WORK ON NORFOLK RIVERS.

“ I made my usual visits to the various yachting stations up the rivers to see the pleasure craft were properly cleaned when fitting out in the spring, and again during the summer, to inspect some of the boats on hire, and for the time used as dwellings. On August 2nd, Mr. John Brydone, the Local Government Board's Inspector of Canal boats, accompanied me up the north river as far as Wroxham, and two days later he inspected with me eleven wherries, lying by the Quays at Yarmouth. We measured the cabins of several of them, and I believe in every instance he considered the space ample for the men using them ; the ventilation sufficient ; the storage of the drinking water satisfactory, and the general cleanly condition of the cabins very commendable. Mr. Brydone also visited several of the fishing luggers lying at the Wharf, carefully examining the condition of their cabins, &c., and saw, for his own satisfaction, the uniform cleanly state he had recognised in the wherries, was not peculiar to them.

CANAL BOATS' ACTS.

“ No registration of any wherry under the Canal Boats Acts has yet taken place, but as they and other river craft come within the area of this Port Sanitary district, I deal with them in my capacity as Port Inspector.

THE PORT MORTUARY.

“ There were received into the mortuary at Gorleston Pier, seven bodies, during the past year.

“ In concluding this, my fifth Annual Report, I would respectfully acknowledge the kind co-operation and assistance I continue to receive from the Custom House Officers, Shipping Agents, Pilots and others; and although the year has not been marked by any extraordinary incident in connection with my duties about the port, I trust I have discharged my office to your satisfaction.”

(Signed) HENRY DENTON, *Port Sanitary Inspector.*



URBAN WORK BY PORT INSPECTOR.

In consequence of the time of the Port Inspector being only partially filled with his port work during the winter months, you have directed him to occupy his leisure by assisting the Urban Inspector of Nuisances in discovering and removing the more ordinary nuisances to be found about the humbler dwellings in Gorleston, the parish wherein he resides. In this capacity he renders some useful service, but his limited knowledge of Urban Sanitation restricts his action to elementary work.

THE POLLUTED STATE OF THE RIVER.

The assertion I made in my last year's report that mussels taken from the river, befouled as it is with the town's sewage, was frequently the cause of typhoid in many of those who ate them, has during the past year been, in my opinion, abundantly verified. Consequently public notice has been given, cautioning people not to partake of them, and warning those who are accustomed to sell them, that sundry pains and penalties may follow the vending of such articles as food. It appears about 50 or 60 men, during the autumn and winter especially, gain a livelihood by dredging

the mussels from the bed of the river and selling them in this town, or sending them elsewhere for a similar purpose, thus disposing of a very large quantity. There are no proper layings for the culture of mussels anywhere in the river, but the localities therein where the finest mussels are found, are opposite the outfalls of the main sewers, well into the stream. Ample evidence of human fœcal contamination has been found in the juices of the mussels, and I believe this is the cause of the typhoid arising from eating them.

Bathing in the river should also be strictly prohibited on account of the polluted, and therefore dangerous condition of the water.

It now remains for me in concluding this, probably my last annual report, to express my thanks for the confidence you have ever reposed in me, especially in seasons of great danger and general anxiety, and for much kindness and consideration you have shown me during the twenty-five years I have had the honor of advising and serving you.

I am, Gentlemen,

Yours obediently,

JOHN BATELY, M.D.,

Medical Officer of Health.



THIRTEENTH
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OF THE

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OF THE

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1898-99.

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GORLESTON BRANCH - LIBRARIAN - An Assistant from the Central Library attends daily.

**These Members form the Sub-Committee for the selection and purchase of Books.*

THIRTEENTH ANNUAL REPORT
OF THE
FREE LIBRARIES COMMITTEE,

For the Year ending 31st March, 1899.

TO THE TOWN COUNCIL OF THE COUNTY BOROUGH OF
GREAT YARMOUTH.

During the past year five new members have been added to the Committee to fill vacancies caused by death or resignation.

In spite of a gratifying increase in the number of borrowers using the Libraries, the Committee have again to report a slight decrease in the number of books actually issued ; the total being **121,841** volumes as compared with 125,090 in the previous year, reducing the average **daily issue** from 467 to **456**. There is no doubt that the principal cause for this continued decrease has been that during the past year, as in 1897, the Committee, owing to lack of funds, have only been able to purchase very few new books. During the coming year it is hoped that more money can be devoted to this purpose, the cost of the staff being now lessened in consequence of Mr. E. E. Buddery and Mr. C. F. Lacey having left. Both of these Assistants had been employed in the Central Library almost from its commencement and had become very experienced and valuable servants, and the Committee congratulate Mr. Buddery on his well-deserved promotion to the staff of one of the great London Free Libraries.

The estimated number of persons using the Reading Rooms was **228,233**, representing an average **daily attendance** of **851** as compared with 864 last year.

The **Tolhouse Subscription Library**, which was established last July in connection with the Free Library, numbers 134 members and has worked very satisfactorily

under Mr. Carter's management. The 253 new works which have been purchased out of the funds of this Library will ultimately be transferred free of cost to the shelves of the Free Library.

An important scheme is now under consideration for a proposed amalgamation of the Public Library, the Tolhouse Subscription Library and the Free Library, which if carried out will, it is anticipated, be mutually beneficial to all three institutions, and particularly to the Free Library, as it will immediately double the number and value of the books in the Reference Department and secure large annual additions to the Lending Department.

The **Museum** is becoming better known and appreciated. It now contains 350 Natural History specimens and 260 Archæological, Ethnological and other exhibits, all of which are named and described; and it was visited last year by an estimated total of **57,823** persons, representing an average **daily attendance** of **188**. A second **Loan Collection** from the South Kensington Museum, consisting of samples of Persian Pottery and Textiles, and Architectural Water Colour Paintings is now on view, and also a valuable collection of 53 drawings and sketches by **J. M. W. Turner**, lent by the Directors of the National Gallery. Twenty duplicate cases of birds are being circulated in rotation amongst the Elementary Schools of the Borough, where it is hoped they will be found useful and instructive for the purpose of object lessons.

The continued thanks of the Committee and the Public are due to the Librarian (Mr. Carter) and his staff for the thoroughly efficient and satisfactory manner in which they invariably perform their duties.

On behalf of the Committee,

EDWARD W. WORLLEDGE,

Chairman.

FREE LIBRARY,
24th May, 1899.

Total Number of Works Issued.

CLASSIFICATION.	Lending.	Reference.	Gorleston Branch.	Juvenile Reading Room.	Total Works.	No of Times each Class has been used.	Percentage of the aggregate Issue.	Total Works issued, 1897-98.
A. Theology and Philosophy ..	465	223	6		694	1·35	·57	792
B. History	1517	735	32		2284	2·45	1·88	2276
C. Biography	1316	521	44		1881	1·77	1·54	1963
D. Voyages and Travels ..	2116	191	91		2398	3·21	1·97	2374
E. Law, Politics and Commerce	195	138	3		336	2·27	·28	365
F. Arts and Sciences ..	1994	934	24		2952	2·84	2·42	2961
G. Miscellaneous Literature ..	1187	767	19		1973	2·80	1·62	1944
H. Poetry and the Drama ..	725	198	11		934	2·14	·77	904
I. Magazines and Reviews ..	10696	957	705	5666	18024	11·48	14·79	18407
J. Juvenile Literature ..	18373			1794	20167	18·85	16·55	19699
K. Prose Fiction	59145	23	11030		70198	17·66	57·61	73405
Totals ..	97729	4687	11965	7460	121841	7·79	100	125090
Days Open	268	268	275½	268				
Daily Average	365	18	44	28	456			467
Totals, 1897-98 ..	100841	4531	12164	7554	125090			

Number of Volumes as Classified in the Libraries.

CLASSIFICATION.	Central Library.	Gorleston Branch.	Withdrawn as worn out.	Added by Purchase	Added by Gift.	Total.	Percentage of Books in each Class.
A. Theology and Philosophy	505	9				514	3·26
B. History	895	20		14	2	931	5·90
C. Biography	1029	23		10		1062	6·73
D. Voyages and Travels ..	714	18		15	1	748	4·74
E. Law, Politics & Commerce	146	1			1	148	·94
F. Arts and Sciences ..	1017	12	1	6	5	1039	6·58
G. Miscellaneous Literature	673	26		3	3	705	4·47
H. Poetry and the Drama ..	423	14				437	2·77
I. Magazines and Reviews	1417	131	62	84		1570	9·94
J. Juvenile Literature ..	1015		80	135		1070	6·78
K. Prose Fiction	3205	656	260	372	3	3976	25·20
Reference Stock, including Local Works, &c. ..	3490			67	23	3580	22·69
Totals ..	14529	910	403	706	38	15780	100

Representing 15,177 complete Works.

Actual Number of Borrowers .. 3484

Sexes.

Males .. 2127
Females .. 1357

Total .. 3484

Folhouse Subscription Library.

COMMITTEE.

MR. E. W. WORLLEDGE (*President*)

MR. J. T. BOTTLE (*Chairman*).

MR. C. E. BOND (*Treasurer*).

MRS. ADAMSON

DR. H. BLAKE

REV. J. H. JONES

MR. R. MILLS

MR. A. H. MOXON

REV. C. S. QUAINTON.

MR. W. M. THEOBALD

MR. J. S. WHITAKER

MRS. MILLS.

Books Issued from July 1898 to March 1899.

CLASSIFICATION.	July.	August.	September.	October.	November.	December.	January.	February.	March.	Total.
A. Theology and Philosophy	12	7	15	14	9	7	5	5	7	81
B. History	6	6	7	6	8	9	16	10	12	80
C. Biography	22	15	21	20	11	22	23	26	19	179
D. Voyages and Travels ..	12	6	8	5	11	12	14	11	18	97
E. Law, Politics & Commerce	2	3	2	3	2	1	2	1	3	19
F. Arts and Sciences ..	7	9	5	0	8	1	5	8	4	47
G. Miscellaneous Literature..	8	7	17	6	4	4	2	11	5	64
H. Poetry and the Drama ..	7	3	6	4	4	2	3	0	1	30
K. Prose Fiction ..	291	287	304	364	340	307	320	303	353	2869
Totals ..	367	343	385	422	397	365	390	375	422	3466

Days Open .. 212

Daily Average .. 16

Members, July, 1898: 94; March, 1899: 134.

Number of Volumes as Classified in the Library.

A. Theology.	B. History.	C. Biography.	D. Voyages and Travels.	E. Law, Political Economy.	F. Arts, and Sciences.	G. Miscellaneous Literature.	H. Poetry.	K. Fiction.	Total.
11	15	24	11	5	8	15	9	155	253

Number of Books bespoken, 193; Proposed, 41.

200 Fines for Overdue Books .. £2 6s. 8d.

Monthly Totals of the Attendance in the Reading Rooms at Half-hourly Countings.

MONTH	Adults.	Juveniles.	Gorleston.	1898-9. Totals.	1897-8. Totals.
APRIL 1898	16758	1551	1955	20264	21418
MAY „	17081	1315	1920	20316	19067
JUNE „	14002	922	1683	16607	15262
JULY „	12396	820	1554	14770	16221
AUGUST „	11775	778	1520	14073	13298
SEPTEMBER „	14147	1096	1471	16614	18663
OCTOBER „	15421	1993	1830	19144	17576
NOVEMBER „	16728	2353	1793	20874	21307
DECEMBER „	18916	2462	2097	23475	21960
JANUARY 1899	17544	2663	2245	22452	22969
FEBRUARY „	16713	2310	2194	21217	21439
MARCH „	15141	1077	2009	18227	21140
TOTALS ..	186622	19340	22271	228233	230320
TOTALS 1897-98	184458	23033	22829		

Summary of Statistics.

	1886-97	1897-98	1898-99	Totals.
ISSUE WORKS—Lending Department ..	1100138	100841	97729	1298708
Reference Department ..	42022	4531	4687	51240
Juvenile Reading Room ..	61713	7554	7460	76732
Gorleston Branch ..	98557	12164	11965	122686
Total Works Issued ..	1302435	125090	121841	1549366
Daily Average of Works Issued ..	425	467	455	430
Annual Totals of Attendance in the Reading Room at Countings ..	2079805	207491	205762	2493058
Ditto Gorleston Branch ..	258076	22829	22271	303176
No of Borrowers ..	35227	3288	3484	41999
Volumes Lost and paid for ..	100	8	12	120
„ Bound or Repaired ..	6891	242	201	7334
„ Withdrawn as Worn Out ..	2344	622	403	3369
„ Added by Purchase ..	11891	696	706	13293
„ „ Gift ..	4835	199	38	5072
„ in Lending Department ..	10909	11039	11274	
„ in Reference Department ..	3360	3490	3580	
„ in Gorleston Branch ..	885	898	926	

MISCELLANEOUS.

Population	51000	
Library Stock	30.94	per cent of Population
Issue Works	238.90	„
Actual Borrowers	6.83	„
Visits (Half-hourly Countings)	447.52	„
Issue Works per Borrower	34.97	

LIST OF DONATIONS.

- BRITISH SCHOOL SOCIETY—
93rd Annual Report.
- BROWNE, Messrs. T. B., Ltd.—
Advertisers A.B.C., and Press Directory, 1899.
- BUXTON, Mr. H. E.—
Church of England Year Book, 1899.
- CALEDONIAN RAILWAY Co.:—
Through Scotland, 1898.
- CANADA, AGENT-GENERAL FOR—
Official Handbook of the Dominion of Canada, 1898.
- CARNEGIE, Mr. A. (The Author)
Reunion of Britain and America, 1898.
- CHURCH MISSIONARY SOCIETY—
Annual Report, 1897-98.
- COE, Mr. C. C. (The Author)—
Nature *versus* Natural Selection. An Essay on Organic Evolution, 1895.
- CUNNINGHAM, Mr. J. (The Author)—
Quakers, from their origin till the present time, 1897.
- DAVIES, Prof. T. Witton (The Author)—
Magic, Divination and Demonology among the Hebrews and their Neighbours.
- DUCKET, Dr. C. A. (R.N.)—
Great Yarmouth Boys' Home Report, 1898.
Great Yarmouth Hospital Report, 1898.
Norfolk Archæology, Vol. 13, pt. 2.
Gands (P.) Students Assistant.
Ollendorf (W.H.) German Grammar.
Riehl (W.H.) Die Ganser, Die Gerechtigkeit Gottes Zwer Geschichten.
- EARL, Miss E.—
Carpentry and Joinery, 2 vols.
Galpin (J.) Staircasing and Handrailing.
Tarbuck (E.L.) Cyclopædia of Practical Carpentry and Joinery, and 14 others.
- ELLIS, Mr. C. (The Author)—
Shakespeare and the Bible, 1897.
- EMERSON Mr. P. H. (the author)—
Marsh Leaves, 2 copies.
- HAMPTON Mr. W. (the publisher)—
Hampton's Scholastic Directory for London and Provinces, 1897-98.
- HUNTER Mr. C.—
Halliwell (J. O.), Tarlton's Jests and News out of Purgatory, 1844.
- JARROLD & SONS, Messrs.—
Souvenir of the Sprat Banquet, 2 copies.
- JOHNSON, Mr. F.—
Report of the Charities of Great Yarmouth, 1876.
Yarmouth Poll Book, 1830.
- KENNET, Mr. G. B.—
Hudson (Rev. W.) and Tingey (J.C.), Revised Catalogue of the Records of the City of Norwich.
- LIBRARIES, PUBLIC FREE—
109 Recent Reports and Catalogues.
- LIFEBOAT INSTITUTION—
Annual report, 1898.
- MILLER, Mr. A. H. (Town Clerk)—
Municipal Register, 1898.
Makato (T.), Japanese Notions of European Political Economy.
- MUSICIANS INCORPORATED SOCIETY OF—
Register of Members, 1898.
- NEW SOUTH WALES, AGENT-GENERAL-FOR—
Ingram (J. F.) Colony of Natal, 1895.
New South Wales, 1896.
Year Book of South Australia, 1898.
- NEWZEALAND, AGENT-GENERAL FOR—
Newzealand, Official Year Book, 1897, and 8 others.
- NIMMO, Mr. L.—
Bazin (R), Italians of to-day 2 copies.
- NORFOLK AND NORWICH NATURALISTS SOCIETY—
Transactions, Vol. 6, part 4.
- PATTERSON, Mr. A. (The Author)—
Rambles in Birdland.
- PECK, Mr. W. E. (The Publisher)—
Peck's Circular Trade's Directory.
- QUEENSLAND, AGENT GENERAL FOR—
Weedon (T.) Queensland past and present, 1898.
- RUMBOLD, Mr. C.—
Amateur Photographer (Weekly.)
- SADLER, Mr. R. (The Author)—
Malaki, my Angel, 1898.
- SANITARY INSTITUTE—
Illustrated List of Exhibits at the Sanitary Exhibitions 1889-97.
- SMITH, Mr. W. L. (Borough Accountant)—
Treasurer's Accounts, 1897-8, 6 copies.
- SWEDENBORGIAN SOCIETY—
Tafel (R. L.) Documents concerning Swedenborg, 1875. 3 vols.
- SWINDELL, Mr. T.—
Sprat Banquet, Menu Card.
- TOLHOUSE SUBSCRIPTION LIBRARY—
Kernahan (Mrs. C.) Trewinot of Guys.
- TRINITY COLLEGE, LONDON—
Calender, 1898-9
- UNITED STATES BUREAU OF EDUCATION—
Report of Commissioner of Education, 1896-7, 2 vols.
- UNIVERSITY CORRESPONDENCE COLLEGE—
Calender 1898-9.
Matriculation Directory, 1898.
- WATERS, Mr. J. T.—
Church Bells (Weekly)
- WORLLEDGE, Mr. E. W.—
Chemists' Register.
Dentists' Register.
Norfolk Archæology, Vol. 13, part 3.
Register of Pharmaceutical Chemists.

DONATIONS TO MUSEUM.

- | | |
|--|---|
| <p>ANDREWS, Mr. V.—
 Fine Old English Cross-bow.
 BOSTOCK, Mr. E. H.—
 Crested Pelican.
 CALVER, Mr.—
 £10 Note, Norwich Bank, dated 1806.
 COCKRILL, Mr. J. W.—
 Coloured Print issued by the Arundel Society, "The Resurrection."
 COLLISON, Mr. W. T.—
 Pipe smoked by New Zealand Maoris.
 CONNOP, Mr. E. M.—
 Little Bittern (Cased.)
 CRUCE, Mr. H. W.—
 A Number of Geological Specimens.
 DUCKET, Mrs. C. A.—
 Case of Shells from West Indies.
 Small table with Dutch painting on top.
 ELLIS, Mr.—
 Old long Clay Pipe.
 FENNER, Mr. H.—
 Carved New Zealand Club.
 FOWLER, Mr. D.—
 Two old Razors (Circa 1690).
 HARMER, Mr. R. Fielding—
 Four Competitive Drawings—Nelson Column, Great Yarmouth.
 Plaster Cast of Chinese Lady's Foot.
 JOHNSON, Mr. A. H.—
 Coronation Number of the <i>Sun</i> newspaper dated June 28, 1838.
 Old Paint Mixing Machine.</p> | <p>LANGLEY, Mr. T.—
 Engraved Metal Chinese Teapot.
 Medal Commemorating the Marriage of the Prince of Wales.
 Medal Commemorating the Coronation of George IV.
 MOXON, Dr. A. H. —
 Skeleton of a Monkey.
 PALMER, Mr. Percy—
 Cream Coloured Blackbird (Stuffed and Cased).
 PORTER, Mr. C. T.—
 Ancient Balance for weighing Sovereigns
 Military Curios—Leather Collars worn by the Militia 1855–70.
 Balls, Cartridges and Shot from early times to date.
 Kookerie, or War Knife used by Ghookkas.
 PYE, Mr. W.—
 Sprat Banquet Souvenir—Ticket, Menu and Toast List, and the Fingerettes, arranged, framed and glazed.
 SPELMAN, Mr.—
 Nest of the Weaver Bird.
 Three Heads of the Hornbill.
 Flying Squirrel.
 SPELMAN, Mr. S. W.—
 Gold Pheasant (<i>Thaumalia picta</i>).
 VENABLES, Rev. Canon—
 Large Bottle covered with Limpets.
 WIGG, Mr. T. J.—
 Small Case of British Butterflies.</p> |
|--|---|

FURTHER ADDITIONS TO THE MUSEUM.

- | | |
|---|---|
| <p>Birds—
 Shore Lark, Male and Female (<i>Otocarys alpestris</i>).
 Great Grey Shrike (<i>Lanius excubitor</i>).
 Common, or Great Skua (<i>Stercorarius catarrhactes</i>).
 Toucan (<i>Rhamphastidæ</i>).
 Fish—All obtained by Mr. A. PATTESON—
 Roach (<i>Lericiscus rutilus</i>).
 Ruffe (<i>Accrina cernua</i>).
 Perch (<i>Perca fluviatilis</i>).
 Tench (<i>Tinea vulgaris</i>).
 Rudd, or Red Eye (<i>Cypinus erythrophthal</i>).
 Turbot (<i>Pleuronectes maximus</i>).
 Sea Bream (<i>Abramus Brama</i>).
 Sea-Bullhead (<i>Aconthocottus groenlandicus</i>).
 Pole or Craig Fluke (<i>Platessa cynoglossus</i>).</p> | <p> "Stunted" Sole (<i>Solea vulgaris</i>).
 Lump Sucker (<i>Cyclopterus lumpus</i>).
 John Dory (<i>Zeus faber</i>).
 Whiting (<i>Merlangus vulgaris</i>).
 Great Weever, or Sting Bull (<i>Trachinus draco</i>).
 Pollack (<i>Merlangus pollachinus</i>).
 "Stunted" Codling (<i>Morrhua vulgaris</i>).
 Haddock (<i>Morrhua æglefinus</i>).
 Miscellaneous—
 Skull of Fossil Walrus dredged up in the North Sea.
 Pair of Turkish slippers.
 Spears from Battle of Omdurman.
 Plaque made from the Copper obtained from Lord Nelson's Flagship "Foudroyant."
 Dixon's Etching of the Old South Gate, Great Yarmouth.</p> |
|---|---|

Coloured Print - Market Place.

Cotman's Etching of the Yarmouth Priory.

Engraving of Caister Castle.

„ Old South Gate.

ARUNDEL SOCIETY PUBLICATIONS—

Giotto's Chapel.

Æneas Silvius Piccolomini receiving the Cardinal's hat.

On Loan—

BRAIN, Mr. E.—

Remington Rifle from Tel-el-Kebir.

TEASDEL, Mr.—

Three Models of Coffer Dams formerly used as foundations for Bridges.

Model of proposed Haven Bridge.

LEVINE, Mr.—

Two framed Water Colour drawings.

PRIME, Bros.—

Horns and Curiosities from South Africa

SOUTH KENSINGTON MUSEUM—

Three cases containing Japanese Pottery, Textiles, and 28 framed Architectural Water Colour drawings, &c.

NATIONAL GALLERY —

Fifty-three Water Colours and Sketches by J. M. W. TURNER.



Income and Expenditure for the Year ending 31st March, 1899.

INCOME.			EXPENDITURE.		
	£	s. d.		£	s. d.
To Grant from Town Council	..	767 0 0	By Balance due to Treasurer, 31st March, 1898		116 16 7
MISCELLANEOUS—			" Purchase of New Books	..	51 1 6
To Fines for Overdue Books	..	32 9 9	" Re-placing worn-out Books	..	39 16 2
" Sale of Catalogues and Supplements	..	3 15 8	" Binding and Repairs	..	15 16 10
" Newspapers and Periodicals	..	7 19 1	" Newspapers and Periodicals	..	53 3 4
" Borrowers' Tickets	..	10 7 3	" Printing (including Annual Report and Catalogue), Stationery & Advertising	..	19 16 10
" Fines for Lost or Damaged Books	..	1 15 5	" Electric Light Fittings	..	10 16 9
" Visitors' Fees	..	2 2 6	" General Repairs	..	19 16 5
" Fees for Bespoken Books	..	1 13 1			
" Advertisements	..	9 0 0	" Light, Water, Firing and Cleaning	..	30 13 2
" Subscription Boxes, &c.	..	1 4 0	" Fire Insurance	..	50 17 1
			" Salaries of Librarian and Assistants	..	5 17 6
MISCELLANEOUS—GORLESTON BRANCH—			" Caretaker	..	260 8 6
To Fines for Overdue Books	..	4 17 9	" Postages, Post Cards, Wrappers and Carriage of Books, &c.	..	31 1 0
" Sale of Borrowers' Tickets	..	1 6 8	" Small Payments	..	5 17 1
" Visitors' Fees	..	3 10 0	" Subscription to Library Association	..	1 18 1
" Fees for Bespoken Books	..	0 7 0	" Bank Charges	..	1 1 0
" Gas Discount	..	0 13 5	" Furniture and Fittings	..	0 18 10
" Sundry Receipts	..	0 0 2	" Attending Conference of Librarians	..	4 1 7
			" Interest on Mortgages	..	4 17 6
" Balance due to Bank, 31st March, 1899	106 12 7		" Sinking Fund	..	75 6 6
Less Cash in Accountant's hands	..	25 0 0			77 10 0
			GORLESTON BRANCH—		152 16 6
			" Gas, Firing and Cleaning	..	12 14 6
			" Salary of Branch Librarian	..	45 10 0
			" Newspapers and Periodicals	..	10 1 1
			" Tram Fares, Carriage, &c.	..	5 17 5
			" New Books and Binding	..	6 5 9
			" Repairs	..	0 6 10
			" Small Payments	..	1 19 8
					82 15 3
					£929 14 4

GREAT YARMOUTH MUSEUM.

Receipts and Payments from 31st March, 1898, to 31st March, 1899.

RECEIPTS.		PAYMENTS.	
	£ s. d.		£ s. d.
To balance in Treasurer's hands, 31st March, 1898 ..	1 16 8		
TOWN COUNCIL—			
To Grant	25 0 0	By Sundry Specimens, and Cost of Mounting and Preserving, &c. ..	12 14 5
CELLS—			
To Admission to Cells and Sale of Guide Books ..	63 12 4	By Electric Light Fittings ..	15 4 9
		„ Repairs ..	6 13 6
		„ Glass Exhibit Case ..	23 0 0
		GENERAL EXPENSES—	
		By Printing, &c. ..	15 14 4
		„ Caretaker ..	16 0 0
		„ South Kensington Exhibit Expenses ..	8 6 0
		„ Sundries ..	6 10 10
		„ Electric Light ..	7 0 5
			54 1 7

To Balance due to Treasurer, 31st March, 1899 ..	21 5 3
	£111 14 3

£111 14 3



